

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: December 28, 1995

Date Received: December 21, 1995

Project: 7238, Metro Self Monitor, PO# M71223

Date Samples Extracted: December 21, 1995

Date Extracts Analyzed: December 27, 1995

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, AND ZINC**

Samples Processed Using Method 3005

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M71223	0.65	0.92	0.35	0.10
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS
FOR CHROMIUM, COPPER, NICKEL, AND ZINC**

Laboratory Code: KJ65358DP (Duplicate)

Analyte:	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.65	0.75	14	0-20
Copper	mg/L (ppm)	0.92	1.0	8	0-20
Nickel	mg/L (ppm)	0.35	0.39	11	0-20
Zinc	mg/L (ppm)	0.10	0.10	0	0-20

Laboratory Code: KJ65358MS/MSD (Matrix Spike)

Analyte:	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	Relative Percent Difference
Chromium	mg/L (ppm)	5	0.65	103	101	80-120	2
Copper	mg/L (ppm)	5	0.92	101	101	80-120	0
Nickel	mg/L (ppm)	10	0.35	102	101	80-120	1
Zinc	mg/L (ppm)	5	0.10	102	101	80-120	1

Laboratory Code: Spike Blank

Analyte:	Reporting Units	Spike Level	% Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	104	80-120
Copper	mg/L (ppm)	5	103	80-120
Nickel	mg/L (ppm)	10	104	80-120
Zinc	mg/L (ppm)	5	103	80-120

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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

December 28, 1995

**INVOICE # 95ACU1228-2
DUPLICATE COPY**

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project 7238, Metro Self Monitor, PO# M71223: Results of testing requested
by Gerry Thompson, Project Manager for material submitted on December
21, 1995.

1 water sample analyzed for
Chromium, Copper, Nickel, Zinc
@ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00

FRIEDMAN & BRUYA, INC.

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Seattle, WA 98119-2029
FAX: (206) 283-5044

December 28, 1995

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on December 21, 1995 from your 7238, Metro Self Monitor, PO# M71223 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson
Chemist

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Enclosures
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